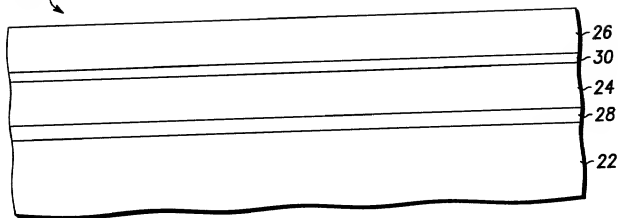


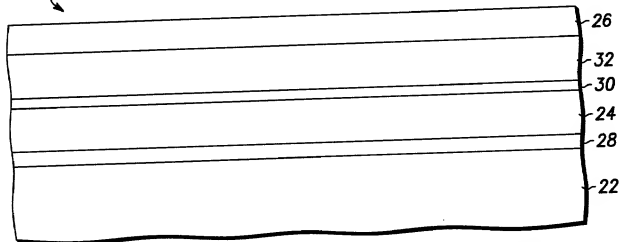
1/18

20



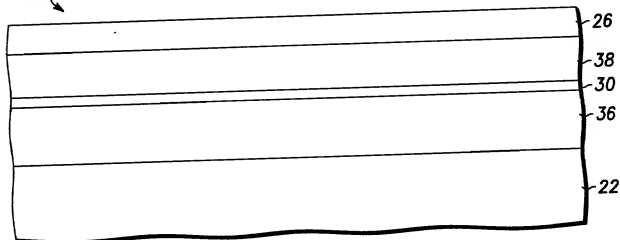
**FIG. 1**

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**FIG. 2**

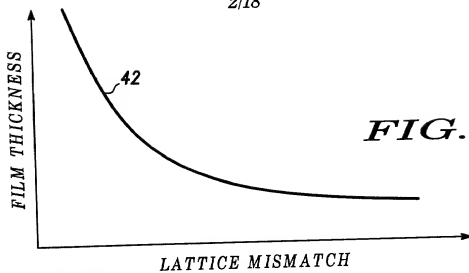
34



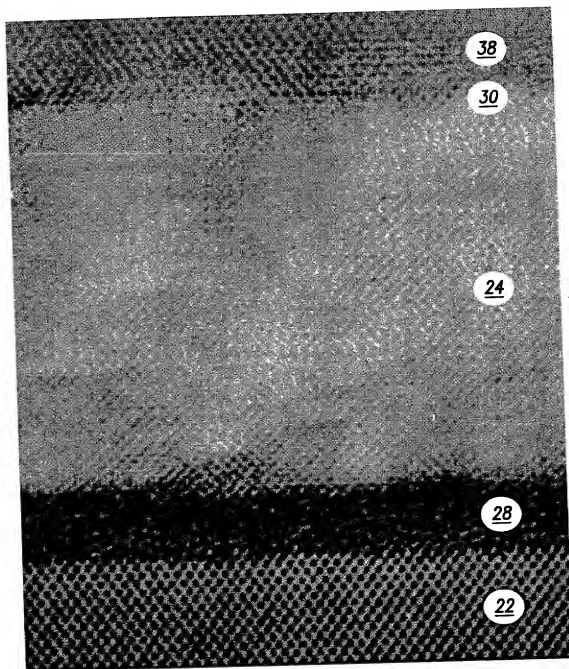
**FIG. 3**

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2/18

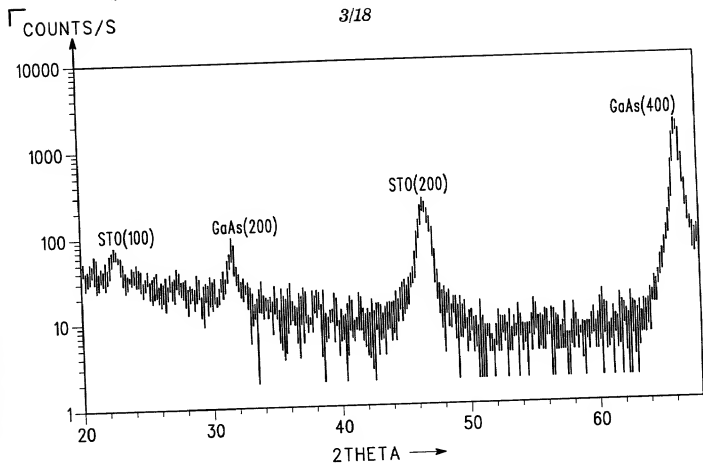


**FIG. 4**

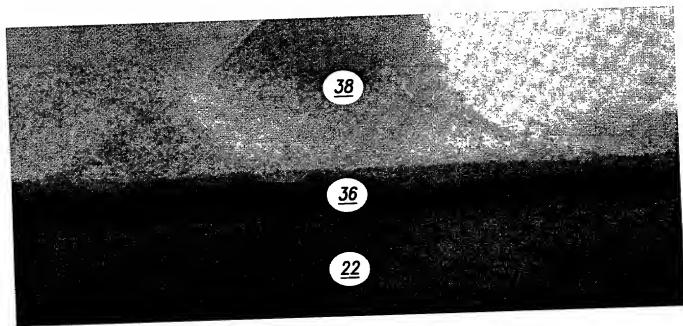


**FIG. 5**

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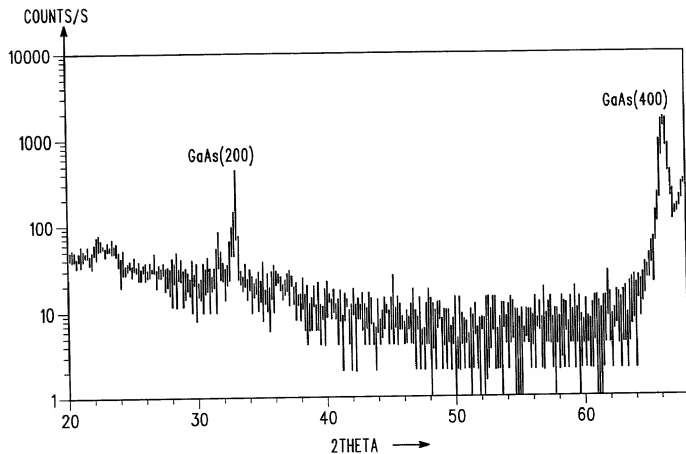
**FIG. 6**



**FIG. 7**

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4/18



**FIG. 8**

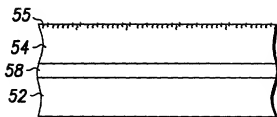


FIG. 9

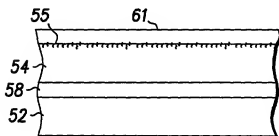


FIG. 10

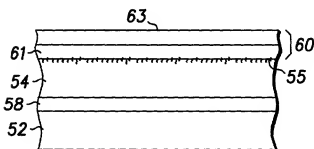


FIG. 11

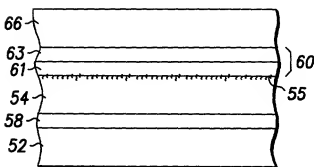


FIG. 12

5/18

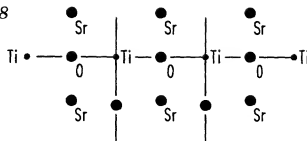


FIG. 13

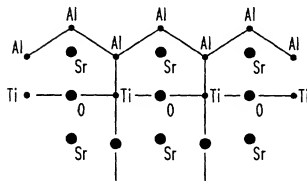


FIG. 14

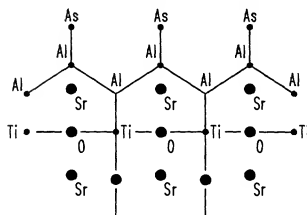


FIG. 15

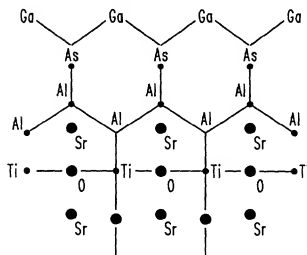
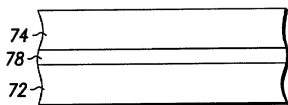


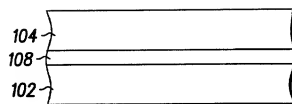
FIG. 16

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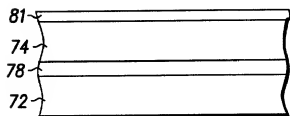
6/18



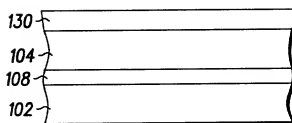
**FIG. 17**



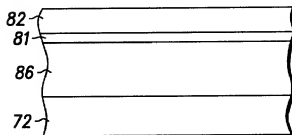
**FIG. 21**



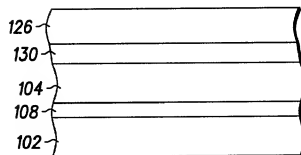
**FIG. 18**



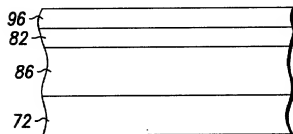
**FIG. 22**



**FIG. 19**



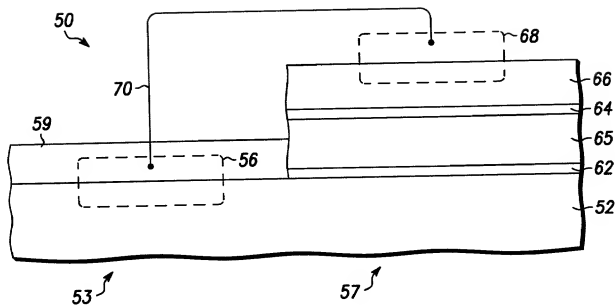
**FIG. 23**



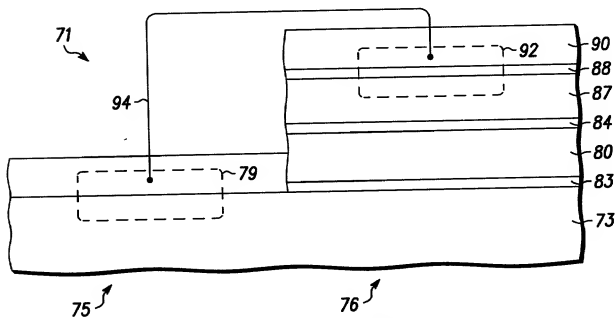
**FIG. 20**

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7/18

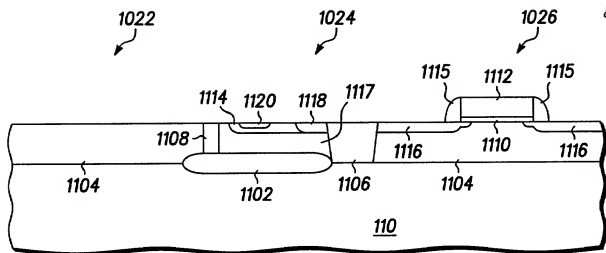


**FIG. 24**

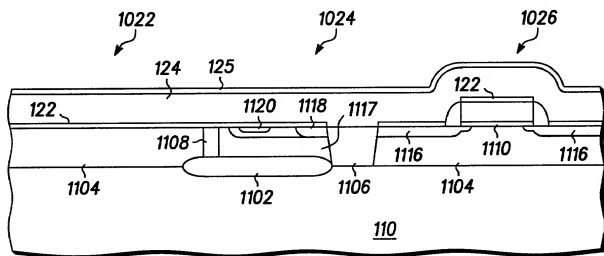


**FIG. 25**

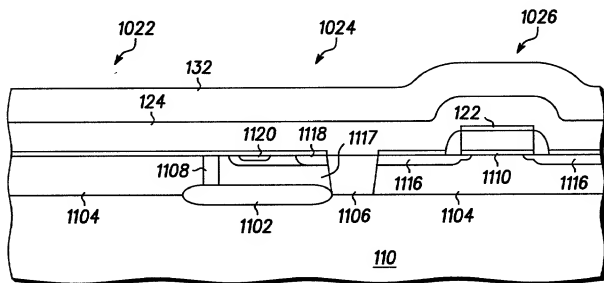
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103 **FIG. 26**



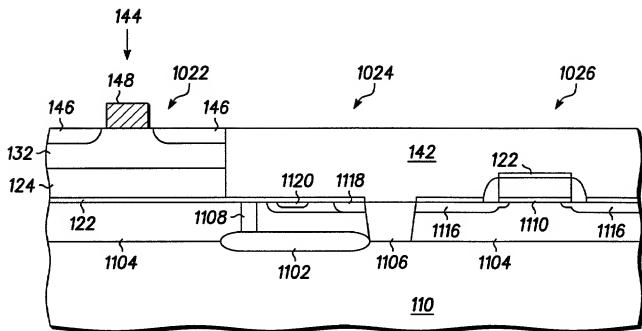
103 **FIG. 27**



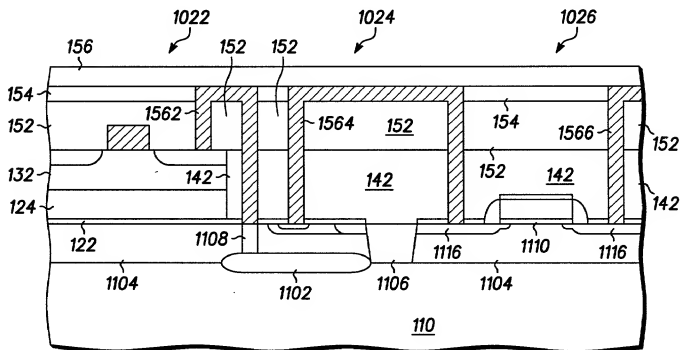
103 **FIG. 28**

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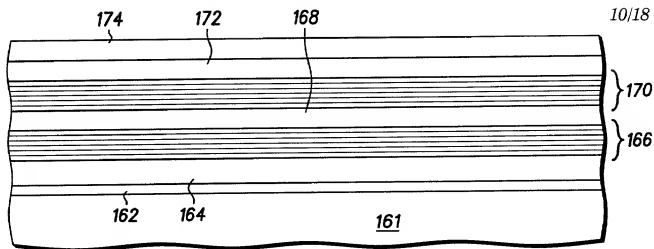
9/18



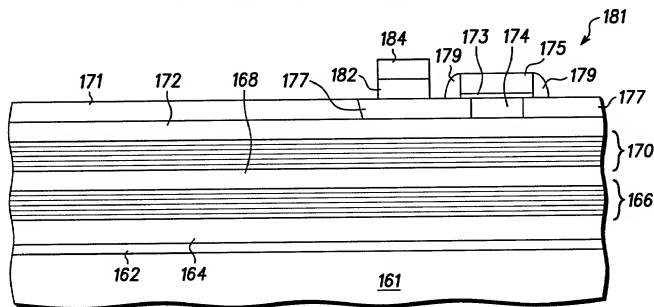
103 **FIG. 29**



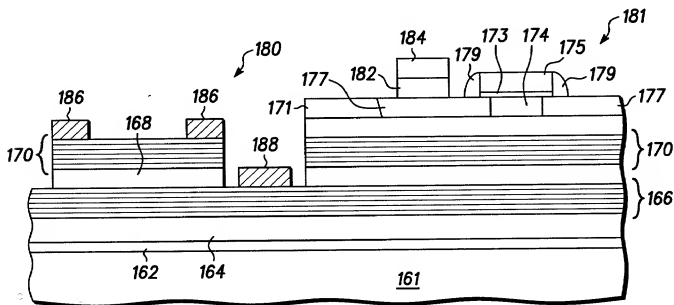
103 **FIG. 30**



160 **FIG. 31**

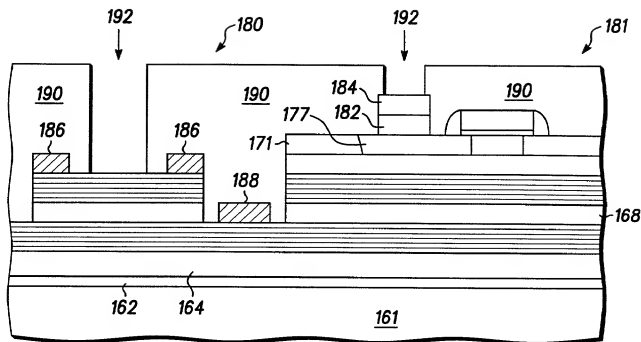


160 **FIG. 32**

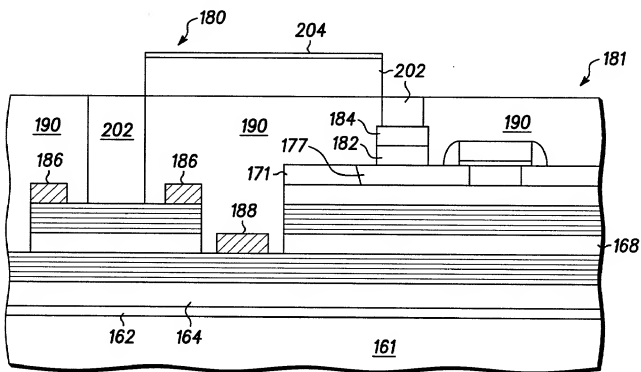


160 **FIG. 33**

11/18



**FIG. 34**



**FIG. 35**

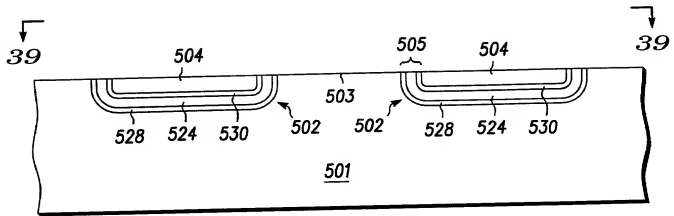
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A cross-sectional view of a multi-layered structure 161. The structure consists of several layers: a top layer 180, a middle layer 202, and a bottom layer 162. The middle layer 202 contains several components: a central region 190, two side regions 186, and a central region 188. The top layer 180 has a central region 212 and two side regions 214. The bottom layer 162 has a central region 171 and two side regions 164. The structure is shown in a perspective view, with dashed lines indicating internal features.

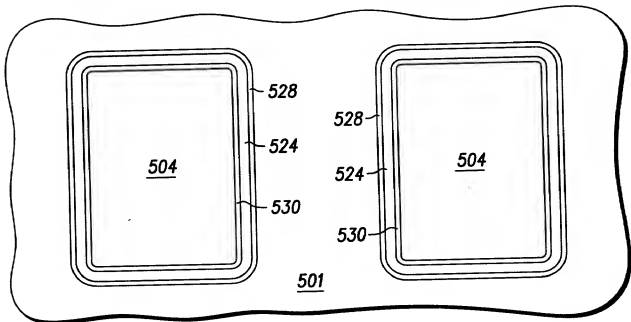
Figure 180 is a cross-sectional view of a semiconductor device. It shows a substrate 161 with a base layer 162 and a top layer 164. A central region 171 contains a stack of layers 182 and 184, topped with a cap 186. This central region is flanked by two side regions 190, each containing a stack of layers 182 and 184, also topped with a cap 186. The entire structure is covered by a top layer 202, which is patterned into a central region 214 and two side regions 212. A dashed line 220 indicates a boundary between the central and side regions.

**FIG. 37**

13/18

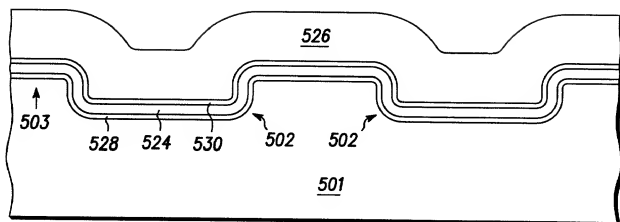


**FIG. 38** 500

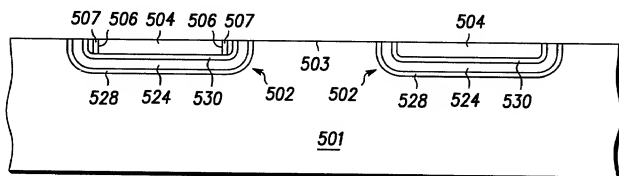


500 **FIG. 39**

14/18

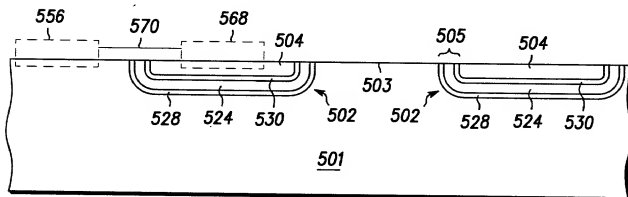


**FIG. 40**



**FIG. 41**

500

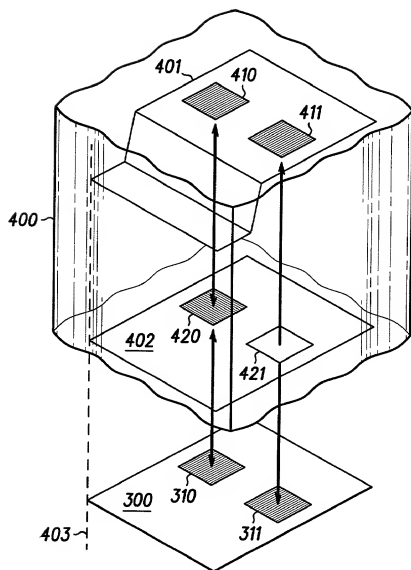


**FIG. 42**

515

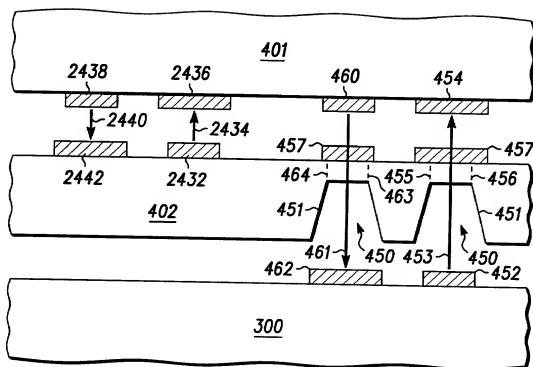


300 *FIG. 43*

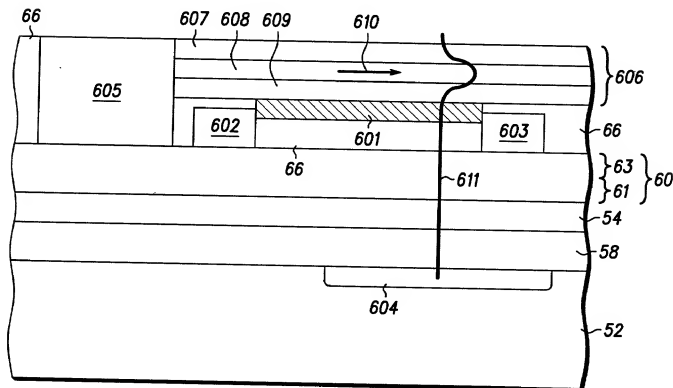


**FIG. 44**

17/18

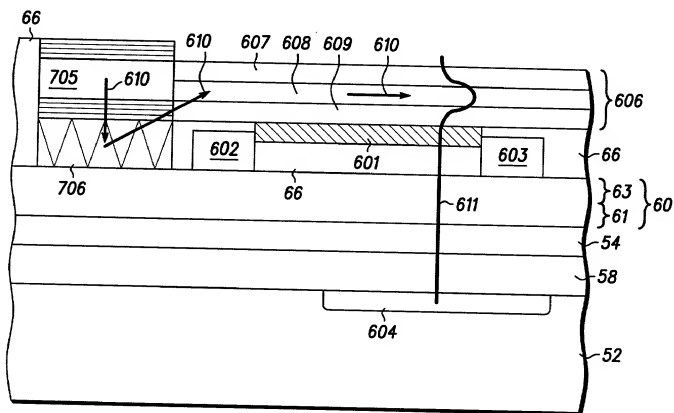


**FIG. 45**



**FIG. 46**

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600 **FIG. 47**